

Friday, May 18, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BB79905 - BB79928

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Rush Request:

Standard

P.O.#:

Received by: SW 05/02/12 Analyzed by: see "By" below

**Laboratory Data** 

**Custody Information** 

Collected by:

SDG ID: GBB79905

Phoenix ID: BB79905

Time

9:54

14:55

Date

05/01/12

SATIN Project ID:

N-30 (7-8) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	75 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)	·						
PCB-1016	ND	0.44	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.44	mg/Kg	05/08/12		МН	3540C/8082
PCB-1232	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.44	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	106		%	05/08/12		MH	30 - 150 %
% TCMX	117		%	05/08/12		MH	30 - 150 %

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Client ID: N-30 (7-8)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB

Rush Request: Standard

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/01/12 05/02/12

Date

15:30

14:55

Time

**Laboratory Data** 

SDG ID: GBB79905 Phoenix ID: BB79906

Project ID:

SATIN

N-33 (0.4-1) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	91		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.8	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	20	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	1.8	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	05/08/12		MH	30 - 150 %
% TCMX	Diluted Out		%	05/08/12		MH	30 - 150 %

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Client ID: N-33 (0.4-1)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information Custody Information** Date Time Matrix: **SOLID** Collected by: 05/01/12 15:32 05/02/12 14:55

**Location Code:** LBG-PCB Received by: SW

Analyzed by: Rush Request: Standard see "By" below P.O.#:

**Laboratory Data** SDG ID: GBB79905

Phoenix ID: BB79907

SATIN Project ID:

Client ID: N-33 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	101		%	05/08/12		MH	30 - 150 %
% TCMX	115		%	05/08/12		MH	30 - 150 %

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Client ID: N-33 (1-2)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: SOLID Location Code: LBG-PCB

Standard

Rush Request: P.O.#:

<u>Custody Information</u>

Collected by: Received by:

SW

05/01/12 05/02/12

Date

15:34 14:55

Time

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Phoenix ID: BB79908

Project ID: SATIN

Client ID: N-33 (2-2.5)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	83		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.4	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.4	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	73		%	05/08/12		MH	30 - 150 %
% TCMX	82		%	05/08/12		MH	30 - 150 %

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Client ID: N-33 (2-2.5)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

P.O.#:

<u>Custody Information</u>

Collected by:
Received by: SW

**Laboratory Data** 

Analyzed by:

see "By" below

05/01/12 05/02/12

Date

15:36

Time

05/02/12

14:55

SDG ID: GBB79905 Phoenix ID: BB79909

Project ID: SATIN

Client ID: N-33 (6-7)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	41		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.77	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.77	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/08/12		MH	30 - 150 %
% TCMX	116		%	05/08/12		МН	30 - 150 %

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Client ID: N-33 (6-7)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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May 18, 2012

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

D O #

P.O.#:

<u>Custody Information</u>

**Laboratory Data** 

Collected by: Received by:

Received by: S
Analyzed by: S6

SW

see "By" below

SDG ID: GBB79905

Date

05/01/12

05/02/12

Phoenix ID: BB79910

Time

15:20

14:55

Project ID: SATIN

Client ID: N-34 (0.4-1)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	90		%	05/08/12		MH	30 - 150 %
% TCMX	112		%	05/08/12		MH	30 - 150 %

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Client ID: N-34 (0.4-1)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

**Custody Information** 

**Laboratory Data** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/02/12

Date

05/01/12

15:22 14:55

Time

Phoenix ID: BB79911

SDG ID: GBB79905

SATIN Project ID:

Client ID: N-34 (2-2.5)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	93		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	0.97	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	92		%	05/08/12		MH	30 - 150 %
% TCMX	102		%	05/08/12		MH	30 - 150 %

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Client ID: N-34 (2-2.5)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Page 14 of 48** Ver 1



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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

<u>Custody Information</u>

Collected by: Received by:

SW

05/01/12 05/02/12 15:24

05/02/12

Date

14:55

Time

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905 Phoenix ID: BB79912

Project ID: SATIN

Client ID: N-34 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	96		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	05/08/12		MH	30 - 150 %
% TCMX	126		%	05/08/12		MH	30 - 150 %

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Client ID: N-34 (1-2)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/01/12 15:26 14:55

Time

05/02/12

Date

Laboratory Data SDG ID: GBB79905 Phoenix ID: BB79913

SATIN Project ID:

Client ID: N-34 (5-6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	60 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.56	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.56	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	147		%	05/08/12		MH	30 - 150 %
% TCMX	89		%	05/08/12		MH	30 - 150 %

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Client ID: N-34 (5-6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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**Page 18 of 48** Ver 1



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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB

Rush Request: Standard

P.O.#:

**Custody Information** 

Collected by: Received by:

SW

05/01/12

15:00

05/02/12

Date

14:55

Time

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Phoenix ID: BB79914

SATIN Project ID:

N-35 (0.3-1) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	96		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	101		%	05/08/12		MH	30 - 150 %
% TCMX	117		%	05/08/12		MH	30 - 150 %

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Client ID: N-35 (0.3-1)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody InformationDateCollected by:05/01/12Received by:SW05/02/12

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Time

15:02

14:55

Phoenix ID: BB79915

Project ID: SATIN

Client ID: N-35 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	96		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	05/08/12		MH	30 - 150 %
% TCMX	122		%	05/08/12		MH	30 - 150 %

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Client ID: N-35 (1-2)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

see "By" below

SW

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

Rush Request: P.O.#:

Laboratory Data

**Custody Information** 

Collected by:

Received by:

Analyzed by:

SDG ID: GBB79905

Time

15:04

14:55

Phoenix ID: BB79916

Date

05/01/12

05/02/12

Project ID: SATIN

Client ID: N-35 (2-3)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	88		%	05/08/12		MH	30 - 150 %
% TCMX	106		%	05/08/12		MH	30 - 150 %

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Client ID: N-35 (2-3)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

Collected by:
Received by: SW

Analyzed by: see "By" below

**Laboratory Data** 

**Custody Information** 

SDG ID: GBB79905

Time

14:00

14:55

Phoenix ID: BB79917

Date

05/01/12

05/02/12

Project ID: SATIN

Client ID: N-14 (0-1)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	90 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	104		%	05/08/12		MH	30 - 150 %
% TCMX	118		%	05/08/12		MH	30 - 150 %

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Client ID: N-14 (0-1)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

**Custody Information** 

**Laboratory Data** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/02/12

Date

05/01/12

14:02 14:55

Time

SDG ID: GBB79905 Phoenix ID: BB79918

SATIN Project ID:

Client ID: N-14 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	82		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.38	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.38	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	98		%	05/08/12		MH	30 - 150 %
% TCMX	106		%	05/08/12		MH	30 - 150 %

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Client ID: N-14 (1-2)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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Phyllis/Shiller, Laboratory Director

May 18, 2012

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

05/01/12

Date

14:06 14:55

Time

05/02/12

see "By" below

**Laboratory Data** 

SDG ID: GBB79905 Phoenix ID: BB79919

SATIN Project ID:

Client ID: N-14 (5-6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	24		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.69	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.69	mg/Kg	05/08/12		МН	3540C/8082
PCB-1260	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.69	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	59		%	05/08/12		MH	30 - 150 %
% TCMX	67		%	05/08/12		MH	30 - 150 %

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Client ID: N-14 (5-6)

Parameter Result RL Units Date Time By Reference

# **Comments:**

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/01/12 05/02/12

Date

14:08

Time

14:55

SDG ID: GBB79905

**Laboratory Data** 

Phoenix ID: BB79920

SATIN Project ID:

N-14 (6-7) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference	
Percent Solid	50		%	05/02/12		JL	E160.3	_
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C	
PCB (Soxhlet)								
PCB-1016	ND	0.63	mg/Kg	05/07/12		МН	3540C/8082	
PCB-1221	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1232	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1242	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1248	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1254	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1260	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1262	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
PCB-1268	ND	0.63	mg/Kg	05/07/12		MH	3540C/8082	
QA/QC Surrogates								
% DCBP	>150		%	05/07/12		MH	30 - 150 %	3
% TCMX	94		%	05/07/12		MH	30 - 150 %	

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Client ID: N-14 (6-7)

Parameter Result RL Units Date Time By Reference

3 = This parameter exceeds laboratory specified limits.

#### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Rush Request: Standard

P.O.#:

**Custody Information** 

Collected by: Received by:

Analyzed by:

SW

see "By" below

05/01/12 14:10

05/02/12

Date

14:55

Time

**Laboratory Data** 

SDG ID: GBB79905 Phoenix ID: BB79921

SATIN Project ID:

N-14 (7-7.5) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	86		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	05/07/12		MH	30 - 150 %
% TCMX	95		%	05/07/12		МН	30 - 150 %

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Client ID: N-14 (7-7.5)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: **SOLID Location Code:** LBG-PCB Standard

Rush Request:

P.O.#:

**Custody Information** 

Collected by: Received by:

SW

05/01/12

Date

13:50

Time

05/02/12 14:55

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Phoenix ID: BB79922

SATIN Project ID:

N-15 (0-1) Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	85		%	05/02/12 05/04/12		JL */*	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		/	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.38	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	102		%	05/07/12		MH	30 - 150 %
% TCMX	85		%	05/07/12		MH	30 - 150 %

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Client ID: N-15 (0-1)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody Information
Collected by:

Received by: SW Analyzed by: see

see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Time

13:52

14:55

Phoenix ID: BB79923

Date

05/01/12

05/02/12

Project ID: SATIN

Client ID: N-15 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	90		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	119		%	05/08/12		MH	30 - 150 %
% TCMX	97		%	05/08/12		MH	30 - 150 %

**Page 37 of 48** Ver 1

Client ID: N-15 (1-2)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 38 of 48** Ver 1



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**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

see "By" below

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: SOLID
Location Code: LBG-PCB
Rush Request: Standard

P.O.#:

Custody Information

Collected by:
Received by: SW

**Laboratory Data** 

Analyzed by:

<u>Date</u>

<u>Time</u> 13:54

05/01/12 13:54 05/02/12 14:55

SDG ID: GBB79905

Phoenix ID: BB79924

Project ID: SATIN

Client ID: N-15 (2-2.5)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	86		%	05/02/12		JL	E160.3
Extraction for PCB	Completed			05/11/12		BB/X	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1221	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1232	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1242	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1248	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1254	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1260	3.6	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1262	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
PCB-1268	ND	0.38	mg/Kg	05/14/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	142		%	05/14/12		MH	30 - 150 %
% TCMX	85		%	05/14/12		МН	30 - 150 %

**Page 39 of 48** Ver 1

Client ID: N-15 (2-2.5)

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 40 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information Custody Information

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

Collected by: 05/01/12 13:56
Received by: SW 05/02/12 14:55

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Time

Phoenix ID: BB79925

Date

Project ID: SATIN

Client ID: N-15 (5-6)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	86 Completed		%	05/02/12 05/04/12		JL */*	E160.3
Soxhlet Extraction for PCB	Completed			03/04/12		/	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1221	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1232	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1242	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1248	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1254	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1260	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1262	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
PCB-1268	ND	0.36	mg/Kg	05/07/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	86		%	05/07/12		MH	30 - 150 %
% TCMX	65		%	05/07/12		MH	30 - 150 %

**Page 41 of 48** Ver 1

Client ID: N-15 (5-6)

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 42 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOLIDCollected by:05/01/1213:40

Location Code: LBG-PCB Received by: SW 05/02/12 14:55

Rush Request: Standard Analyzed by: see "By" below

<u>Laboratory Data</u> SDG ID: GBB79905

Phoenix ID: BB79926

Project ID: SATIN

P.O.#:

Client ID: N-16 (0.5-1)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	92		%	05/02/12		JL	E160.3
Extraction for PCB	Completed			05/11/12		BB/X	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	3.5	mg/Kg	05/14/12		МН	3540C/8082
PCB-1221	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1232	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1242	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1248	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1254	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1260	24	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1262	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
PCB-1268	ND	3.5	mg/Kg	05/14/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	05/14/12		MH	30 - 150 %
% TCMX	Diluted Out		%	05/14/12		MH	30 - 150 %

**Page 43 of 48** Ver 1

Client ID: N-16 (0.5-1)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 44 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: SOLID Location Code: LBG-PCB Rush Request: Standard

P.O.#:

<u>Custody Information</u>

Collected by:

Received by:

SW

05/01/12 05/02/12

Date

13:42

Time

05/02/

14:55

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905 Phoenix ID: BB79927

Project ID: SATIN

Client ID: N-16 (1-2)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	94		%	05/02/12		JL	E160.3
Soxhlet Extraction for PCB	Completed			05/04/12		*/*	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.34	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.34	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	130		%	05/08/12		MH	30 - 150 %
% TCMX	101		%	05/08/12		MH	30 - 150 %

**Page 45 of 48** Ver 1

Client ID: N-16 (1-2)

Parameter Result RL Units Date Time By Reference

## **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 46 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

May 18, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

**Sample Information** 

Matrix: SOLID Location Code: LBG-PCB

Rush Request: Standard

P.O.#:

<u>Custody Information</u>

Collected by: Received by:

SW

05/01/12 05/02/12 13:44

Time

05/02/12 14:55

Date

Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBB79905

Phoenix ID: BB79928

Project ID: SATIN

Client ID: N-16 (6-7)

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid Soxhlet Extraction for PCB	92 Completed		%	05/02/12 05/04/12		JL */*	E160.3 SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.35	mg/Kg	05/08/12		МН	3540C/8082
PCB-1221	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	05/08/12		MH	3540C/8082
QA/QC Surrogates							
% DCBP	95		%	05/08/12		MH	30 - 150 %
% TCMX	80		%	05/08/12		MH	30 - 150 %

**Page 47 of 48** Ver 1

Client ID: N-16 (6-7)

Parameter Result RL Units Date Time By Reference

# **Comments:**

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis/Shiller, Laboratory Director

May 18, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

**Page 48 of 48** Ver 1



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

# QA/QC Report

May 18, 2012

% TCMX (Surrogate Rec)

Comment:

# QA/QC Data

Data SDG LD.: GBB79905

May 18, 2012		Chi Qo Dai	SDG I.D.: GBB/9905						
Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 200091, QC Sa	ample No: BB79895 (Bl	B79905, BB79906, BB7	9907, B	B79908	, BB79	909, BE	379910,	BB79911	 1,
BB79912, BB79913, BB7991	4)								
Polychlorinated Bipher	<u>nyls - Solid</u>								
PCB-1016	ND	101	103	2.0				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	101	101	0.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	94	86	85	1.2				30 - 150	30
% TCMX (Surrogate Rec)	95	86	85	1.2				30 - 150	30
Comment:									
* The batch MS and MSD recov within QA/QC limits.	eries could not be calculat	ed due to the presence of F	PCB in th	e unspike	ed samp	ole. LCS	/LCSD re	coveries w	<i>i</i> ere
QA/QC Batch 200092, QC Sa BB79922, BB79923, BB7992			9917, B	B79918	, BB79	919, BE	379920,	BB79921	Ι,
Polychlorinated Bipher	<u>nyls - Solid</u>								
PCB-1016	ND	99	99	0.0	90	97	7.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	94	1.1	*	*	NC	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	103	89	92	3.3	71	74	4.1	30 - 150	30

<sup>\*</sup> The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 200551, QC Sample No: BB79924 (BB79924, BB79926)

110

Polychlorinated Bip	<u>henyls - Solid</u>					
PCB-1016	ND	108	98	9.7	40 - 140	30
PCB-1221	ND				40 - 140	30
PCB-1232	ND				40 - 140	30
PCB-1242	ND				40 - 140	30
PCB-1248	ND				40 - 140	30
PCB-1254	ND				40 - 140	30
PCB-1260	ND	99	116	15.8	40 - 140	30

79

77

2.6

78

84

7.4

30 - 150

30

SDG LD	GBB79905
JDG 1.D	0001//03

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	75	82	102	21.7				30 - 150	30
% TCMX (Surrogate Rec)	96	81	96	16.9				30 - 150	30
Comment:									

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

May 18, 2012

Friday, May 18, 2012

Requested Criteria: GAM, RC

Criteria Exceedences Report Page 1 of 1

# Sample Criteria Exceedences Report

						ODD13303					Factored	
SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	RL Criteria	Analysis Units
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1232	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1242	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1248	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	20000	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79906	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	1800	1000	1000	ug/Kg
BB79924	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	3600	380	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1016	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1221	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1232	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1242	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1248	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1254	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1260	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	24000	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1262	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg
BB79926	LBG-PCB	\$PCB_SOXR	PCB-1268	mg/kg	СТ	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	ND	3500	1000	1000	ug/Kg

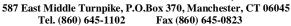
Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BB79905, BB79906, BB79907, BB79908, BB79909, BB79910, BB79911, BB79912, BB79913, BB79914, BB79915, BB79916, BB79917, BB79918, BB79919, BB79920, BB79921, BB79922, BB79923, BB79924, BB79925, BB79926, BB79927, BB79928 **Sampling Date(s):** 5/1/2012 **RCP Methods Used:** ☐ 1311/1312
☐ 6010 7000 7196 7470/7471 8081 ☐ EPH TO15 **✓** 8082 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. ✓ Yes □ No □ NA For each analytical method referenced in this laboratory report package, were results 6. ✓ Yes No □ NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ✓ Yes □ No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Friday, May 18, 2012 Authorized Printed Name: Greg Lawrence Signature:

Position: Assistant Lab Director







# **RCP Certification Report**

May 18, 2012

**SDG I.D.: GBB79905** 

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 200551 (Samples: BB79924, BB79926): -----

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected.

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result.

**Instrument:** Au-ecd35 05/07/12-1 (BB79920, BB79921, BB79922, BB79923, BB79925)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist 5/7/2012

**Instrument:** Au-ecd5 05/08/12-1 (BB79915)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/8/2012

**Instrument:** Au-ecd5 05/09/12-1 (BB79915)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/9/2012







# **RCP Certification Report**

May 18, 2012

**SDG I.D.: GBB79905** 

**Instrument:** Au-ecd7 05/08/12-1 (BB79905, BB79906, BB79907, BB79908, BB79909, BB79910,

BB79911, BB79912, BB79913, BB79914, BB79915, BB79916, BB79917, BB79918,

BB79919)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/8/2012

**Instrument:** <u>Au-ecd8 05/14/12-1 (BB79924, BB79926)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/14/2012

**OC Comments:** QC Batch 00551 05/11/12 (BB79924, BB79926)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 00091 05/07/12 (BB79905, BB79906, BB79907, BB79908, BB79909,

BB79910, BB79911, BB79912, BB79913, BB79914)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC** Comments: QC Batch 00092 05/07/12 (BB79915, BB79916, BB79917, BB79918, BB79919,

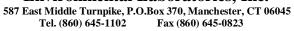
BB79920, BB79921, BB79922, BB79923, BB79924, BB79925, BB79926, BB79927,

BB79928)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.









# **RCP Certification Report**

May 18, 2012

SDG I.D.: GBB79905

QC (Site Specific)
Sample No: BB79915, QA/QC Batch: 200092
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
Sample No: BB79924, QA/QC Batch: 200551
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.  QC (Batch Specific)  Sample No: BB79895, QA/QC Batch: 200091
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

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# CHAIN OF CUSTODY RECORD

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